

C L A I M S

1) An air-conditioning system for the passenger compartment (1) of a vehicle; the air-conditioning system (2) comprising an air-treatment unit (3) and a series of ventilation outlets (4) distributed inside the passenger compartment (1) and connected to the air-treatment unit (3); the air-conditioning system (2) being characterized in that it comprises a tubular body (5), which is set in a bottom portion of the passenger compartment (1), has an internal pipe (6) communicating with the air-treatment unit (3), and is provided with a number of ventilation outlets (4) mounted on the side surface (7) of the tubular body (5) itself; the ventilation outlets (4) being mounted on the tubular body (5) so as to be able to oscillate about a longitudinal central axis (8) of the tubular body (5) itself.

2) The air-conditioning system according to Claim 1, in which the tubular body (5) is mounted in a fixed position, and the ventilation outlets (4) are mounted on the side surface (7) of the tubular body (5) so as to be able to oscillate about the longitudinal central axis (8) of the tubular body (5) itself.

3) The air-conditioning system according to Claim 1, in which the ventilation outlets (4) are mounted in a fixed position on the side surface (7) of the tubular body (5), and the tubular body (5) is mounted so as to be able to oscillate about its longitudinal central axis (8).

4) The air-conditioning system according to Claim 3, in which the tubular body (5) is supported by a wall (9) of

the passenger compartment (1) by means of the interposition of a pair of bearings (10), which are fixed to two respective brackets (11) connected to the wall (9).

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5) The air-conditioning system according to Claim 3 or Claim 4, in which oscillation of the tubular body (5) about its longitudinal axis (8) occurs against a given force of friction, which is designed to maintain the tubular body (5) immobile in a given angular position in the absence of the action of external forces.

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6) The air-conditioning system according to Claim 3 or Claim 4 or Claim 5, in which the tubular body (5) has a handle designed to be grasped by a user for imparting on the tubular body (5) itself an oscillation about its own longitudinal axis (8).

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7) The air-conditioning system according to any one of Claims 3 to 6, in which the tubular body (5) has a first open end (12) in communication with the air-treatment unit (3) by means of a pipe (14), which is mounted in a fixed position and has one end thereof slidably coupled to the first end (12) of the tubular body (5).

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8) The air-conditioning system according to any one of Claims 1 to 7, the tubular body (5) has one first open end (12) in communication with the air-treatment unit (3) and one second closed end (13) opposite to the first end (12); in a position corresponding to the first end (12), the tubular body (5) comprising a regulation member (15) designed to vary the size of the section of passage of the air between a minimum value and a maximum value.

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9) The air-conditioning system according to any one of Claims 1 to 9, in which the tubular body (5) is arranged in a position corresponding to a set of pedals (16) of the vehicle.